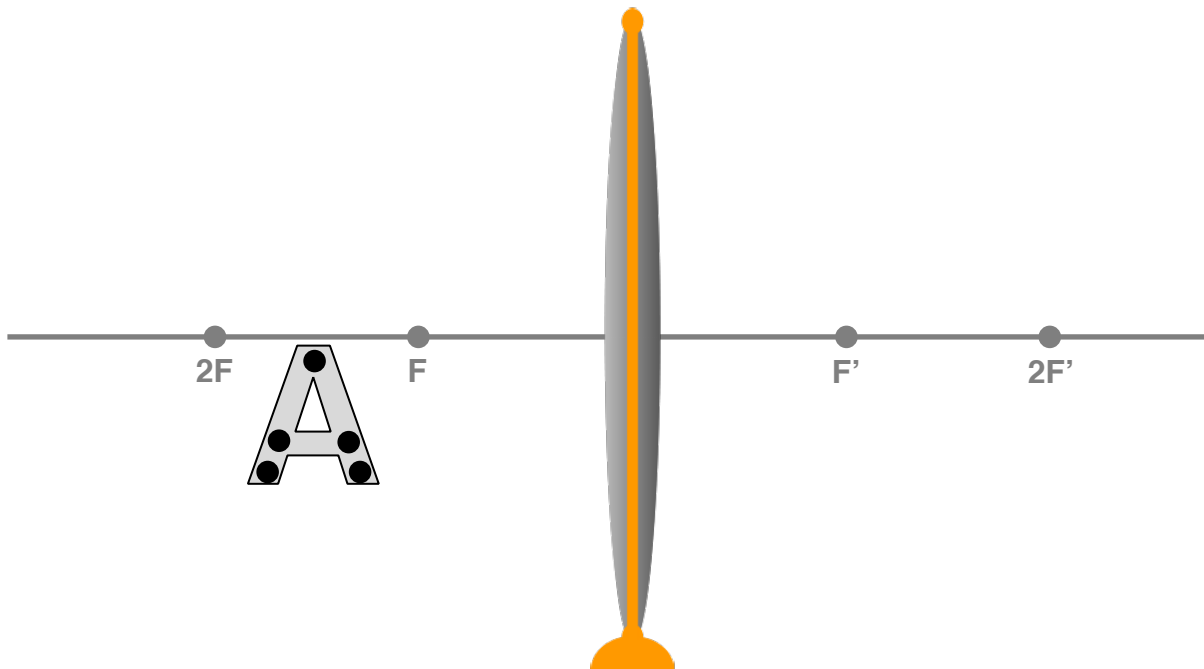
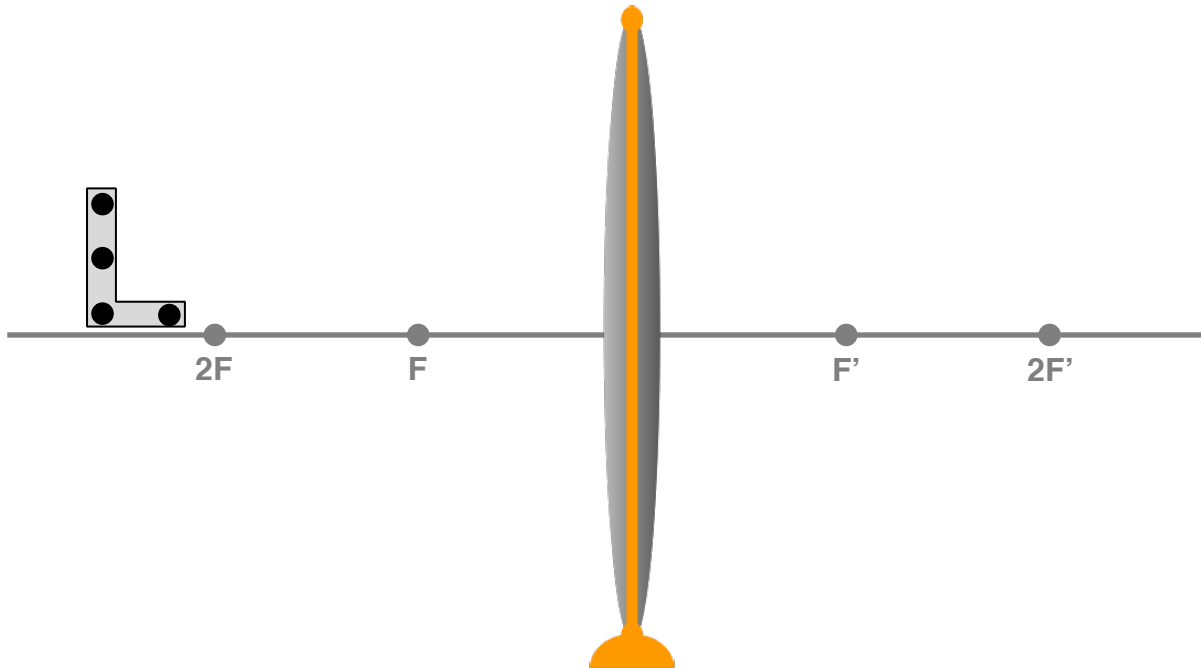
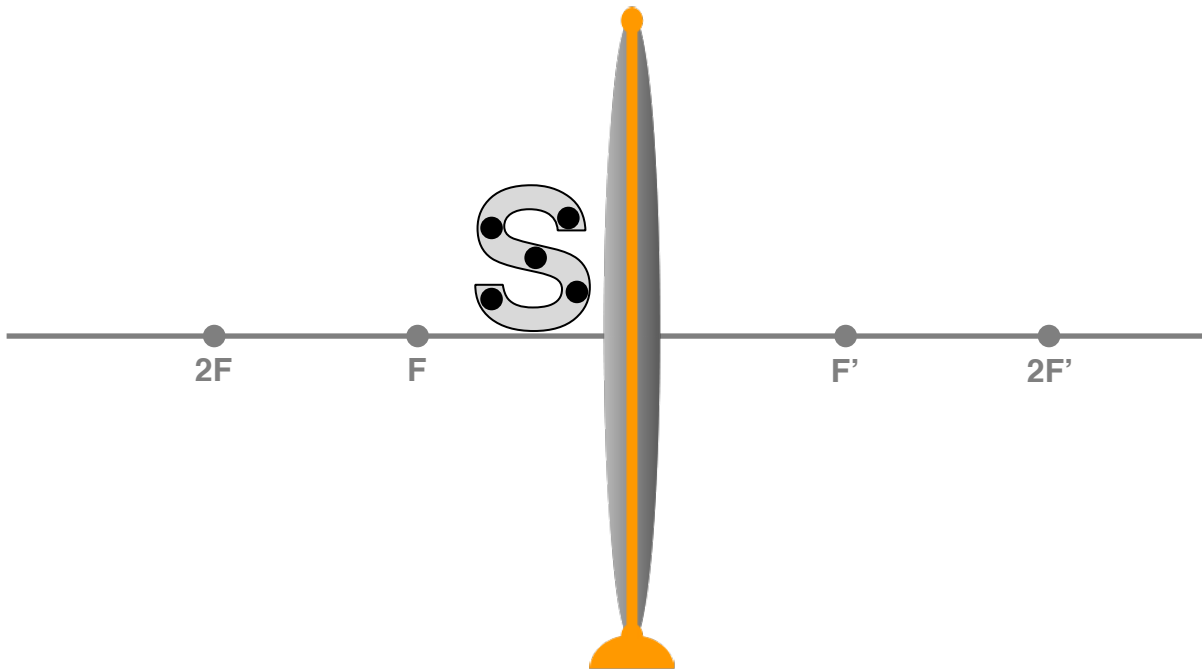


### Converging Lens Image Formation

For each lens and letter object below, construct ray diagrams for each marked dot to show the location and appearance of the image. That's 4-5 ray diagrams per letter. Draw your rays *lightly* (but visibly) and mark your image points *boldly*.





**Questions:**

1. Why do you need to ray diagram so many points on the letter “L” to see the complete image of the letter?
2. Where does the image of the letter L appear?
3. Is the image of the letter L larger, smaller, or the same size as the object?
4. Is the image of the letter L upright or inverted?
5. In what way is the image of the letter L distorted?



14. Use a ray diagram model to predict the appearance of the image of the image arrow drawn below.

